

**CITY OF BRYAN
JOB DESCRIPTION – 3403**

Working title: TRANSMISSION ENGINEER

Career Ladder: TECHNICAL PROFESSIONAL **Level:** 340

Division: ELECTRIC TRANSMISSION **Department:** BRYAN TEXAS UTILITIES

SUMMARY AND PRIMARY FUNCTION

Plan and assist the construction and maintenance of electrical substation and transmission line projects. Perform in a professional position requiring in-depth knowledge; capable of independent, complex analysis, concept formulation and new method identification.

PRIMARY DUTIES

Develops long range transmission and substation plans; aids in the development of routes and plans for electric transmission lines, preparing drawings and recommending types of equipment and materials to be used; applies electrical engineering principles to engineer, design and modify electrical substations, their equipment, relaying and communications systems used in the electric power utility.

Provides technical direction to field personnel on as-needed basis.

Oversees contract work on various construction projects as needed; writes, reviews and monitors contracts.

Writes and obtains transmission easements.

Prepares reports as needed and interacts with ERCOT.

Prepares detailed specifications for equipment, evaluates bids and submittals, and makes recommendations.

Coordinates and develops transmission material and construction standards.

Performs related duties as required.

EDUCATION AND EXPERIENCE

Bachelor's degree in electrical engineering or related field, plus 6-8 years directly related experience (3 years of experience related to electrical substations and/or transmission line maintenance and construction), or MA/MS plus 4-6 years experience or PhD plus 2-4 years experience.

Various combinations of relevant education and experience will be considered for this technical professional position.

KNOWLEDGE, SKILLS AND ABILITIES

Technical knowledge of electrical design, construction, installation and maintenance.

Technical knowledge and proficiency in relevant techniques, procedures and/or specialized equipment used in the electrical industry.

Ability to read, write, interpret and review technical specifications, schematics and electrical diagrams.

Ability to analyze and to diagnose technical problems and to implement prudent solutions that may change rapidly in emergency situations.

Good oral and written communication skills.

SPECIAL REQUIREMENTS AND LICENSES

Texas Class C driver's license with a good driving record as measured by the City's evaluation system.

Must be available for 24-hour standby on a rotational basis.

EQUIPMENT, PHYSICAL DEMANDS AND WORKING CONDITION

Computer, telephone, truck, radio, voltmeter, SCADA, and test equipment.

Driving; sitting and operating office equipment; working in outdoor conditions.

Work shall be performed with tools, appliances and equipment approved by those agencies and bodies that have control, authority or approval of the design working ranges or limitations of those items; the employee has the responsibility to conform to those ranges and limitations.